APPROVED | O.G. FIG.
BY | CLASS 435 | SUBCLASS 6
DRAFTSMAN

T0-h280"-6TE6650

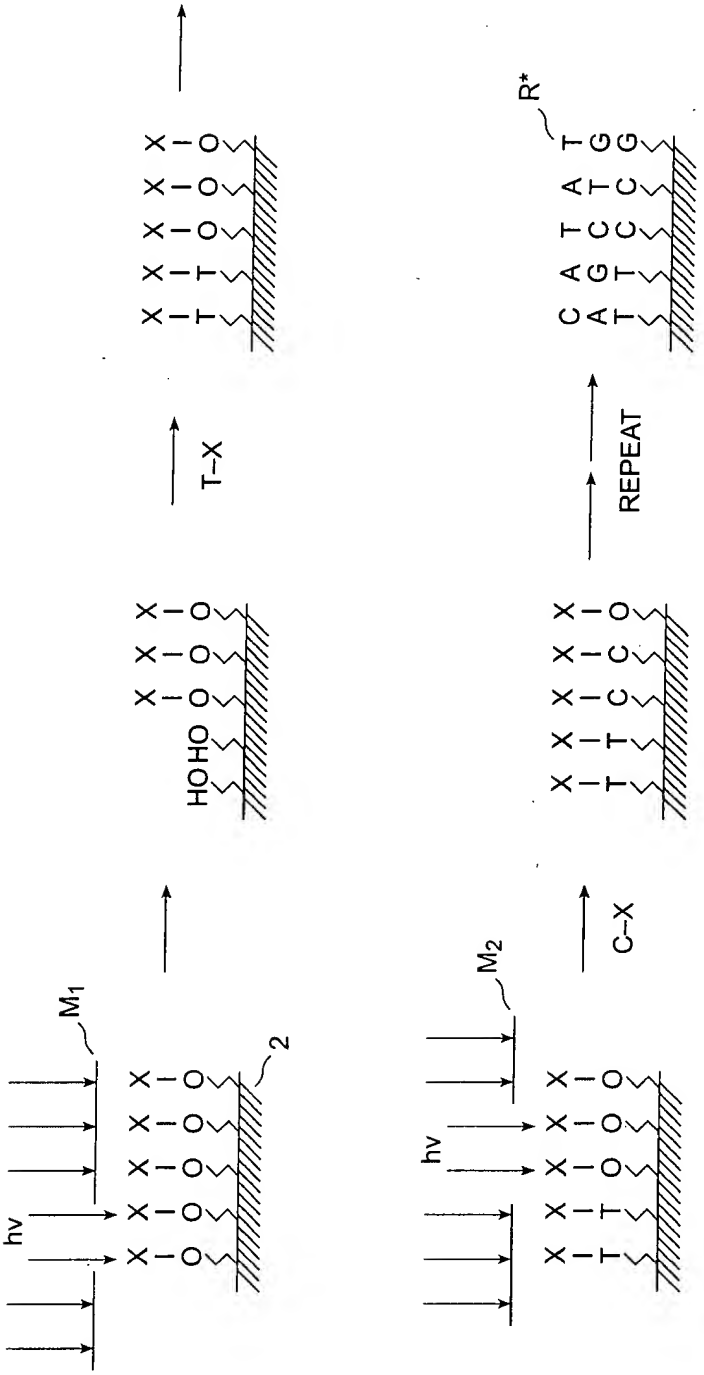


FIG. 1

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS 438
SUBCLASS 6

10/730,676

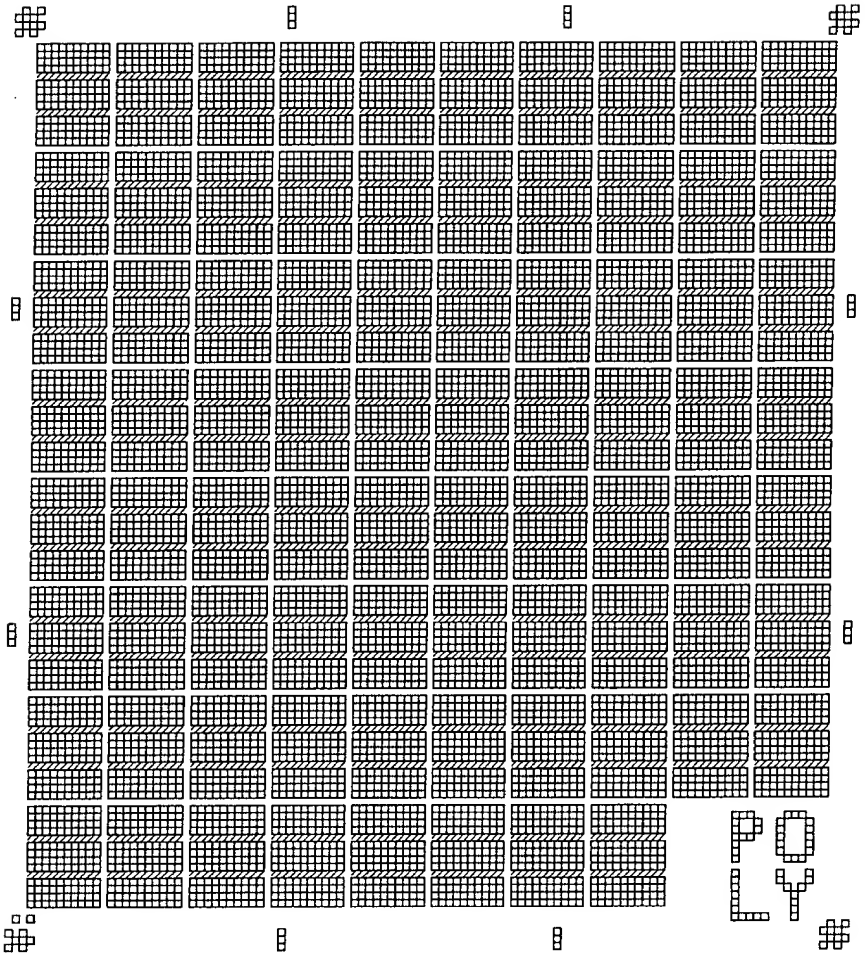
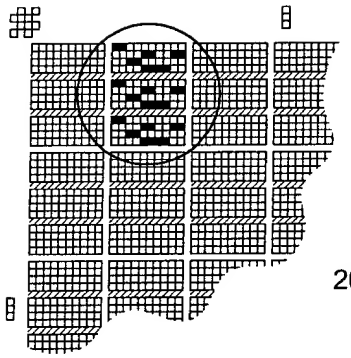


FIG. 2A

APPROVED BY DRAFTSMAN
O.G. FIG. CLASS 435 SUBCLASS 6

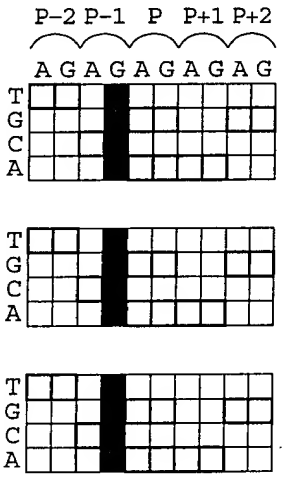
Patent Application Publication



SEQUENCE AT POLYMORPHISM WI-567

5' 3'
TGCTGCCTTGGTTC [A/G] AGCCCTCATCTCTTT

THREE BLOCKS OF COMPLEMENTARY
20-MER OLIGOS WITH SUBSTITUTIONS (**N**)
7, 10 AND 13 BP FROM THE 3' END



BASES IN THE SHADED COLUMNS

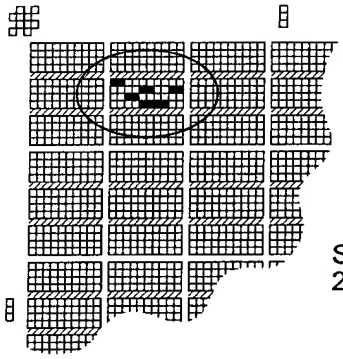
3' BLOCK 20/7 5'
AACCAAN [C] TCGGGAGTAGAG

3' BLOCK 20/10 5'
CGGAACCAAN [C] TCGGGAGTA

3' BLOCK 20/13 5'
CGACGGAACCAAN [C] TCGGGA

FIG. 2B

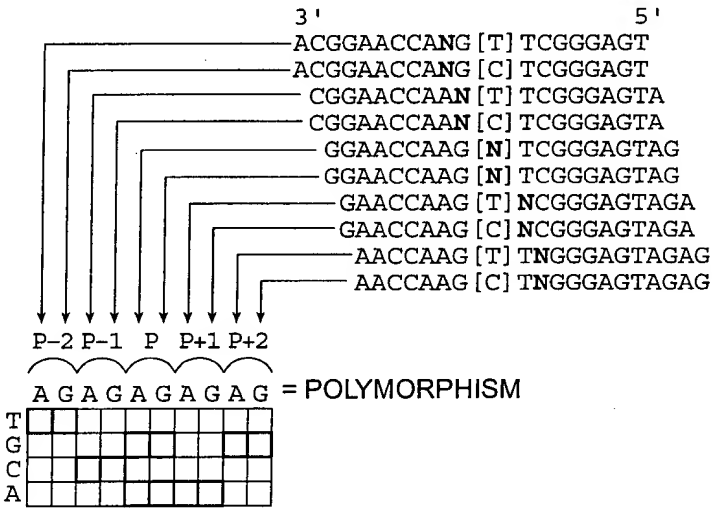
APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS 435 SUBCLASS 6
T04n280 "6TT6660



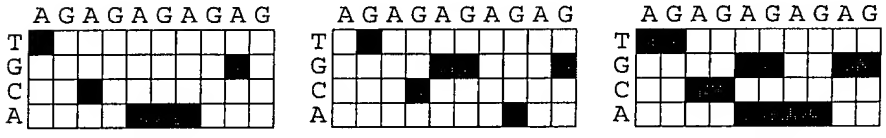
SEQUENCE AT POLYMORPHISM WI-567

5' TGCTGCCTTGGTTC [A/G] AGCCCTCATCTCTTT 3'

SYNTHESIZE BLOCK OF COMPLEMENTARY 20-MER OLIGOS WITH SUBSTITUTIONS (**N**) 10 BP FROM THE 3' END



PREDICTED PATTERNS



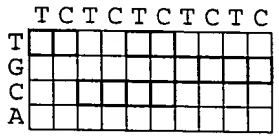
GENOTYPE: A/A G/G A/G

FIG. 3

TOh280"6TT6E660

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS 435 | SUBCLASS 6

WI-1959 = . . . ACCAAAAATCAGTC [T/C] GGGTAACTGAGAGTG . . .

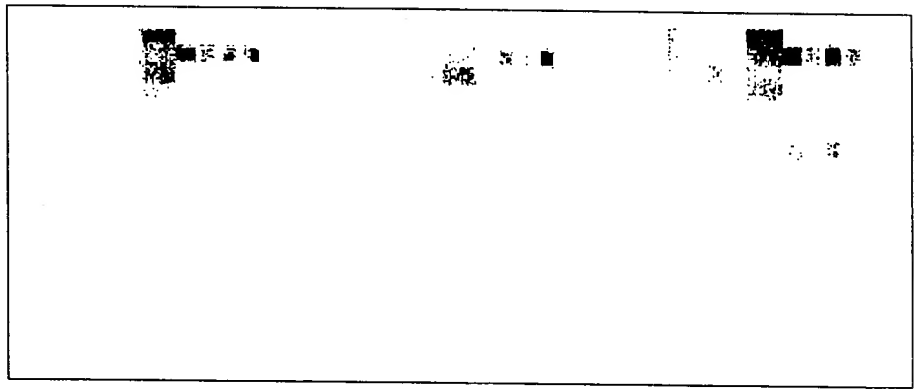


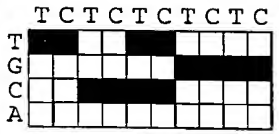
= POLYMORPHISM

20/7

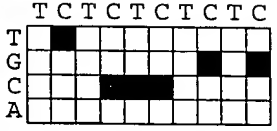
20/10

20/13

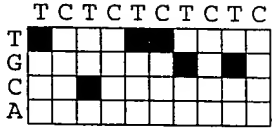




T/C HETEROZYGOTE



C/C HOMOZYGOTE



T/T HOMOZYGOTE

FIG. 4

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS 439 SUBCLASS 6
"Express Mail" Label No. EV339906660

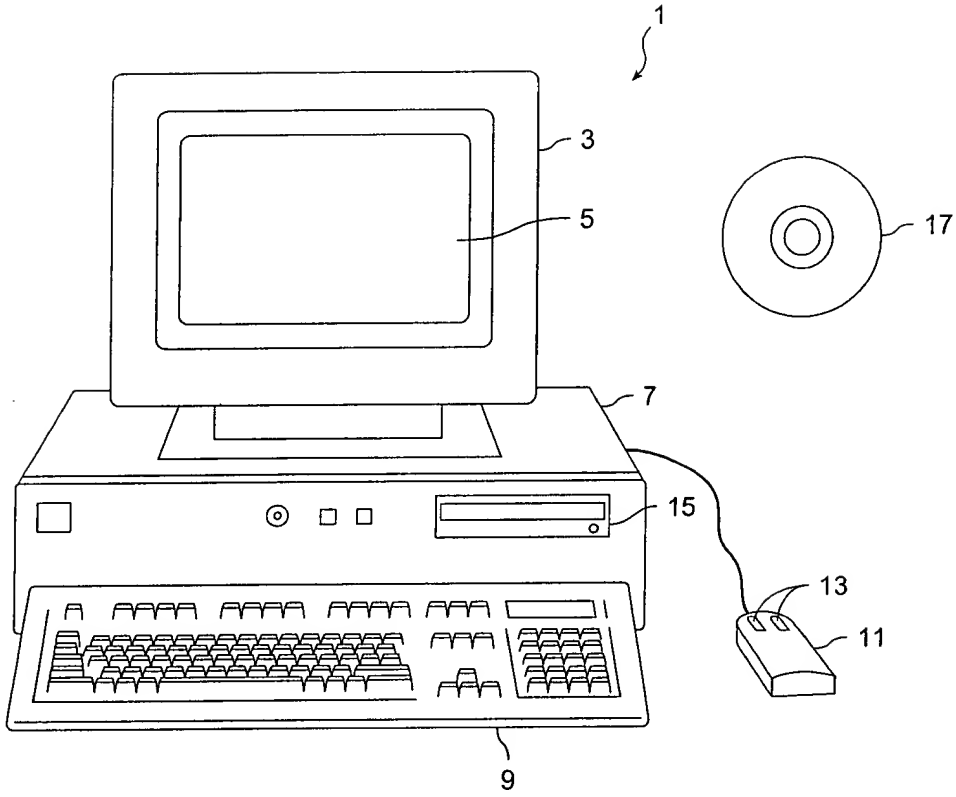


FIG. 5

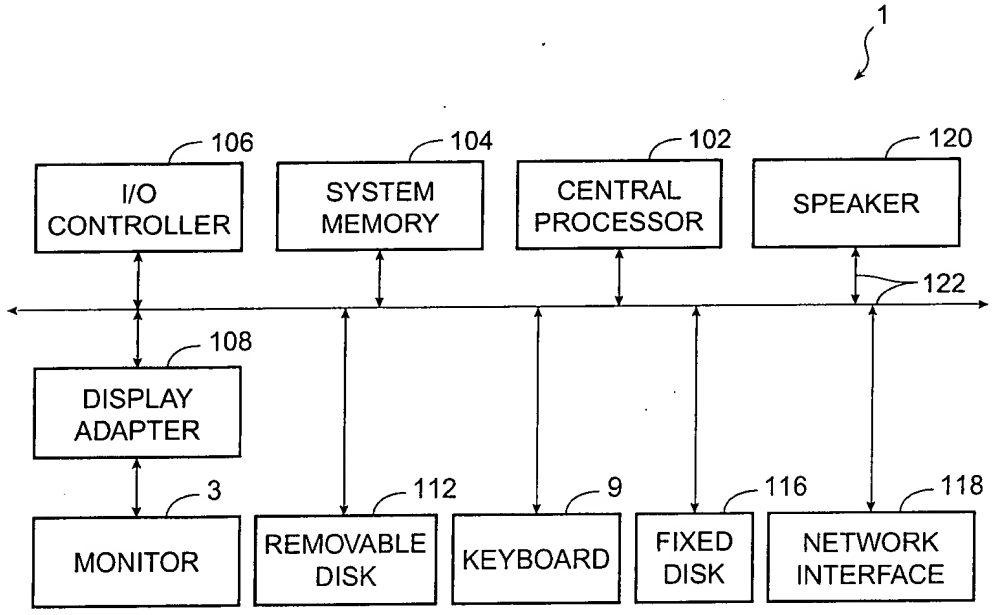


FIG. 6

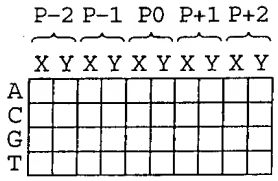


FIG. 7

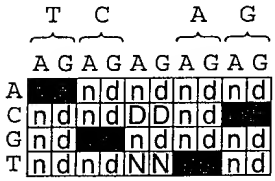


FIG. 8

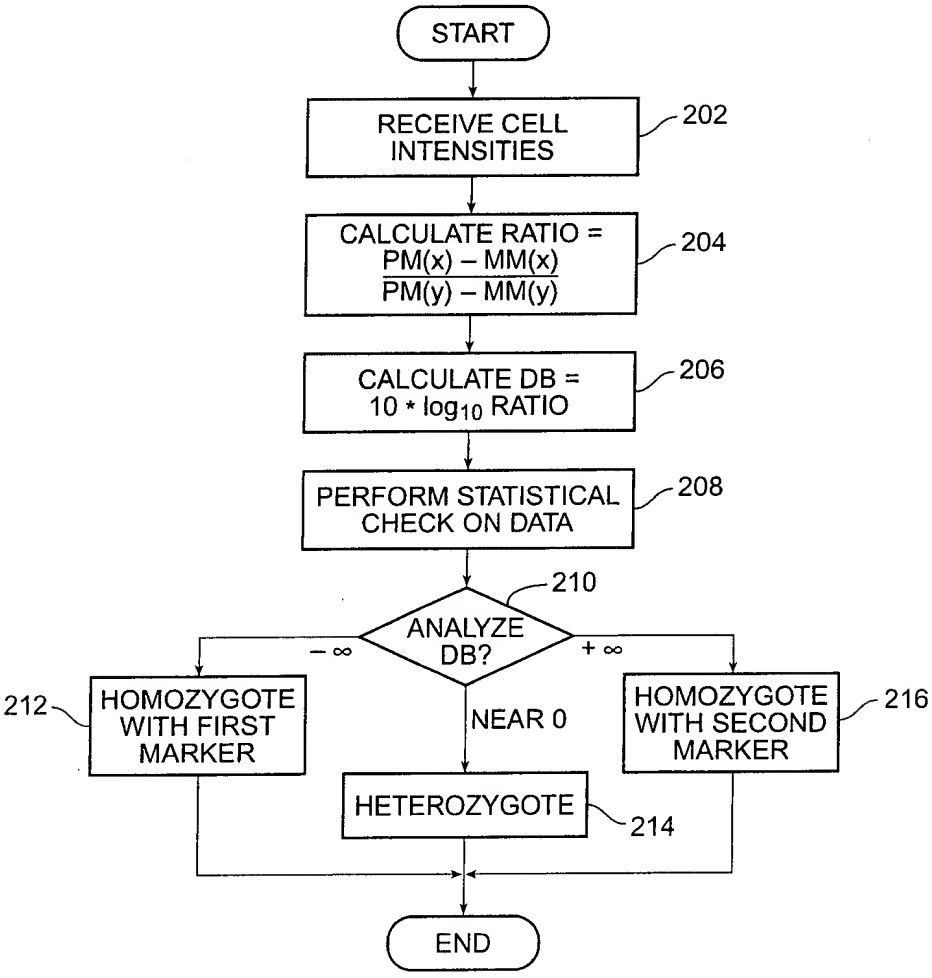


FIG. 9

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS 435
SUBCLASS 6
T0h2830 6TT6C660

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS 435 | SUBCLASS 6
T04280 "6TT6660

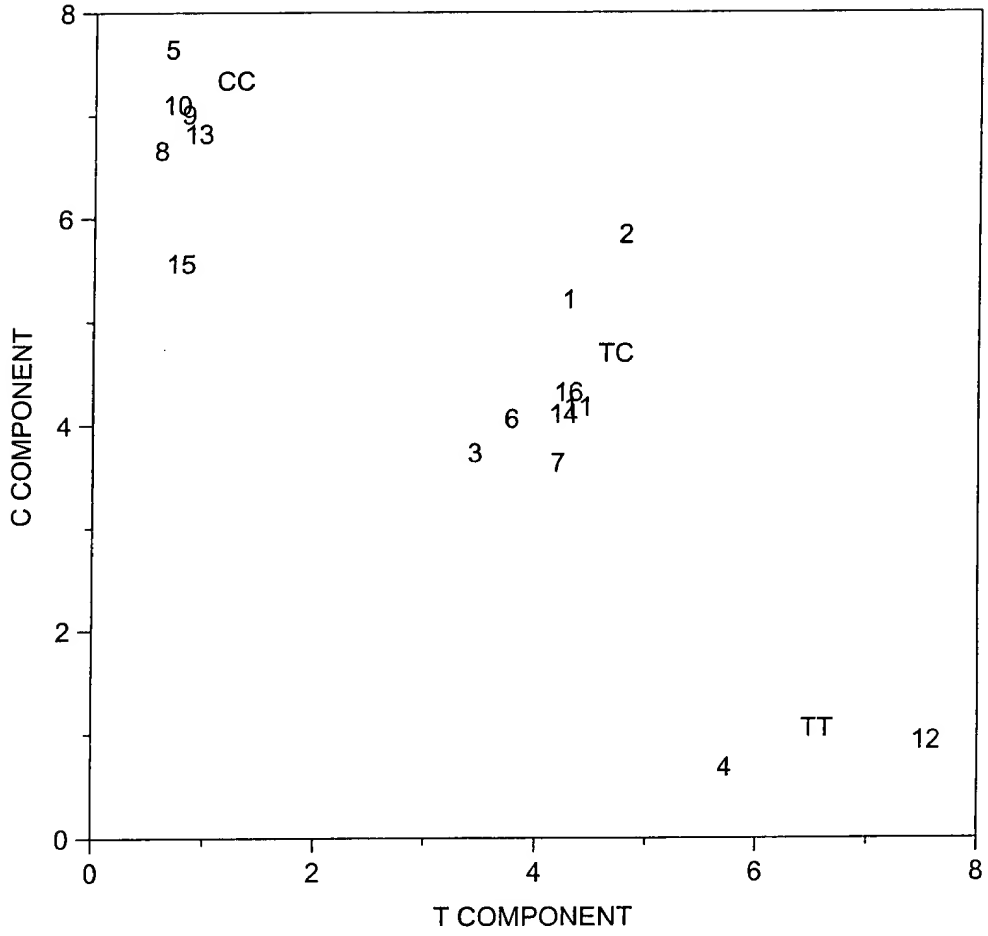


FIG. 10

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS 435 | SUBCLASS 6

TOh280"6TT6E660

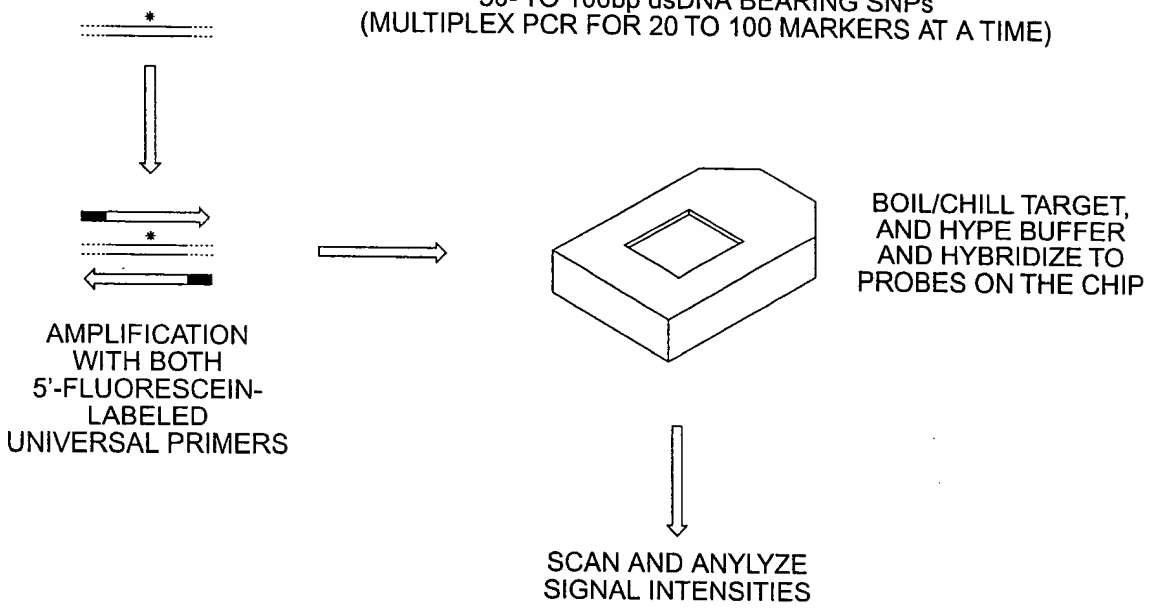


FIG. 11

DB = "DECIBELS" = 10 X LOG (DETECTION RATIO)

$$\text{DETECTION RATIO} = \frac{\text{A PERFECT MATCH} - \text{A MISMATCHES}}{\text{B PERFECT MATCH} - \text{B MISMATCHES}}$$

$$C = \text{SIGNIFICANCE CHECK} = \frac{\text{MAX (A OR B PERFECT MATCH)}}{\sigma\ \text{(A OR B MISMATCHES)}} > 2$$

$$P = \text{PATTERN MATCHING} = \frac{\text{MEAN [MAX (A OR B PERFECT MATCHES)]}}{\text{MEAN [MAX(A OR B MISMATCHES)]}} > 1.2$$

PREDICTED PATTERNS

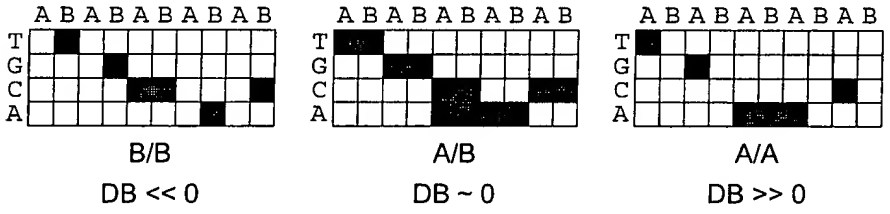


FIG. 12

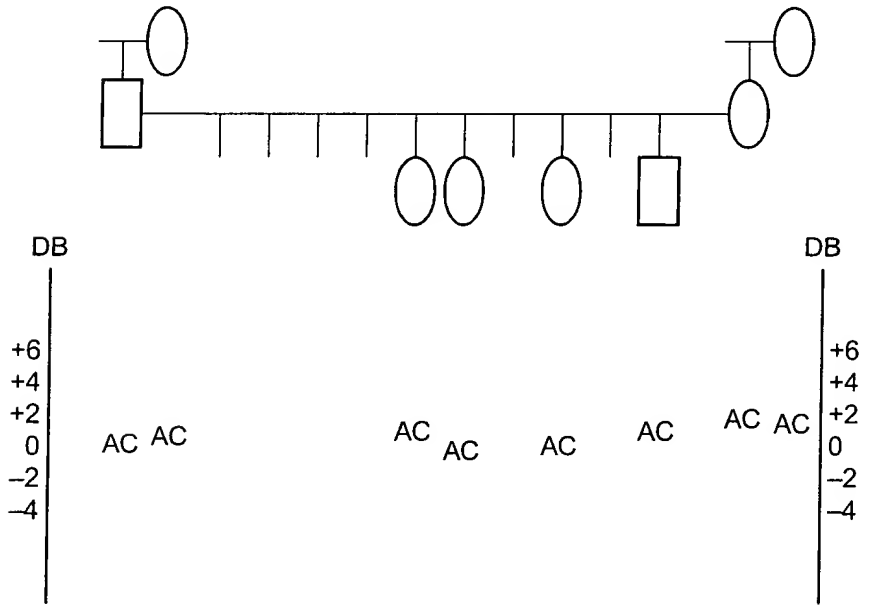


FIG. 13

APPROVED BY DRAFTSMAN
O.G. FIG.
CLASS 435
SUBCLASS 6

EP 2 280 560 A1